

GeofanMeb LLD Geomembrane

Technical Data Sheet

GeofanMeb LLD June 2019

Our LLD range of geomembranes are manufactured from low linear density polyethylene and are tested in accordance to current ASTM standards. LDPE gives a more flexible geomembrane with excellent chemical resistance and high UV degradation resistance. Applications include:

- **Liquid containment features such as artificial lakes**
- **Irrigation channels and storage ponds**
- **Wrapping of subsurface storage tank systems**

Our roll width of 7m, lowers the installation cost by limiting unnecessary material overlapping wastage, reduced welding and increased speed of application.



Property	Test Method	Frequency	Minimum Value					
Product Code			LLD050	LLD075	LLD100	LLD150	LLD200	LLD250
Thickness,(minimum average) mm	ASTM D 5199	Every roll	0.50	0.75	1.00	1.50	2.00	2.50
Lowest individual reading (-10%)			0.45	0.69	0.91	1.40	1.80	2.25
Density, g/cc	ASTM D 1505	90,000Kgs	0.939	0.939	0.939	0.939	0.939	0.939
Tensile Properties (each direction)	ASTM D 6693 , TypeIV	9,000Kgs						
Strength at Break, N/mm	Dumbell, 2ipm		13	20	27	40	53	66
Elongation at Break, %	G.L. 2.0 in (51mm)		800	800	800	800	800	800
2% Modulus (max) N/mm	ASTM D 5323	E.M.B	210	370	420	630	840	1050
Tear Resistance, N	ASTM D 1004	20,000Kgs	50	70	100	150	200	250
Puncture Resistance, N	ASTM D 4833	20,000Kgs	120	190	250	370	500	620
Axi-Symmetric Break Resistance Strain %	ASTM D 5617		30	30	30	30	30	30
Carbon Black Content,%	ASTMD 1603*/4218	9,000Kgs	2					
Carbon Black Dispersion	ASTM D 5596	20,000Kgs	For 10 different views: 9 in Categories 1 or 2 and 1 in Category 3					
Oxidative Induction Time ,min	ASTMD 3895,200°C , 1 atm	90,000Kgs	100					
Oven Aging at 85°C	ASTM D 5721							
Standard OIT, retained after 90 days,%	ASTM D 3895	E.M.B	35					
UV Resistance High Pressure OIT, retained after 1600 hours (min. avg), %	ASTM D 5885	E.M.B	35					
Roll Length		meters	420	280	210	140	105	84
Roll Width		meters	1-7					
Approx Load Q'ty per 40' HC		Sqmts	55860	37240	27930	18620	13965	11172



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